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The *Journal of Chemical Ecology* is devoted to promoting an understanding of the interactions of organisms with their environment mediated by the chemicals they produce. Such relationships, often adaptively important, comprise the oldest of communication systems in terrestrial and aquatic environments. With recent advances in methodology for elucidating structures of the chemical compounds involved, a strong interdisciplinary association has developed between chemists and biologists, which should accelerate understanding of these interactions in nature.

Papers offered for publication must be in English and may include original research and reviews in both the biological and chemical phases of chemical ecology. They may include substantive observations of interactions in nature, the elucidation of the chemical compounds involved, the mechanisms of their production and reception, and the translation of such basic information into survey and control protocols. Sufficient biological and chemical detail should be given to substantiate conclusions and to permit results to be evaluated and reproduced.

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